



REMARKS

Claims 1-24 are pending in the application. Claims 1-24 have been rejected.

35 U.S.C. § 102(b)

Claims 1-2, 7-8 and 13-14 are rejected under 35 U.S.C. § 102(b) as being allegedly anticipated by Tiedemann, Jr. et al. (US 5,642,398). Applicants respectfully traverse the rejection.

Claim 1 of the Applicants' claimed invention recites a method for paging a target mobile station (MS). The method includes receiving information destined for a target MS and paging the target MS at a paging area that is centered at a cell, in which the target MS last registered and expands by a predefined number of cells around the cell.

This is in contrast to the Tiedemann, Jr. et al. patent which discloses a mobile communication device registration method. Claim 1 of Tiedemann, Jr. et al. discloses storing at the system controller a list of mobile station registration information corresponding to the mobile station and the registration information comprises a location parameter for a base station through which the mobile station most recently registered. A set of base stations is identified within a fixed distance from the base station through which the mobile station most recently registered by calculating distances between the base station and every other base station in the system and selecting only those base stations having distances less than or equal to a predetermined maximum distance threshold.

The Tiedemann, Jr. et al. patent fails to teach or suggest at least the feature of **paging the target MS at a paging area that is centered at a cell**, in which the target MS last registered, and **expands by a predefined number of cells around the cell**.

There is no mention of paging a target MS (**mobile station**) at a paging area that is centered at a cell as claimed by the Applicants. In contrast, Tiedemann, Jr. et al. refers to the corresponding **base stations in each of coverage areas C1_A – C1_S** within each paging region centered about coverage area C1_A.

Also, it appears that “expands by a predefined number of cells around the cell” as claimed by the Applicants and not taught or suggested by any of the applied references does not appear to have been addressed by the Examiner in the Office Action.

Furthermore, Tiedemann, Jr. et al. also needs to identify a set of base stations **located within a fixed distance** in its operation which is not a limitation of the Applicants’ claimed invention.

Therefore, for at least these reasons, it is respectfully requested that the rejection be withdrawn and that claim 1 be allowed.

Claims 7 and 13 are independent claims that recite related subject matter to claim 1 and should be allowed for at least the same reasons presented above regarding claim 1 as well as the additionally recited features found in these claims.

Claims 2, 8 and 14 are dependent claims that depend upon their respective independent claims and should be allowed for at least the same reasons presented above regarding the independent claims as well as the additionally recited features found in these claims.

35 U.S.C. § 103

Claims 3-6, 9-12, 15-18, 19-20, and 23-24 are rejected under 35 U.S.C. § 103 (a) as being allegedly unpatentable over Tiedemann, Jr. et al. (US 5,642,398) in view of Stephanson et al. (US 6,108,325). Applicants respectfully traverse the rejection.

Claims 3-6, 9-12, and 15-18 are dependent claims that depend upon independent claims 1, 7 and 13 respectively and should be allowed for at least the same reasons presented above regarding the independent claims as well as the additionally recited features found in these claims.

The Office Action acknowledges that the primary reference Tiedemann, Jr. et al. is defective in that it “does not explicitly disclose a neighboring base station controller that can locate the MS is the target is not located.” The application of Stephanson et al. as a secondary reference fails to cure the deficiencies of the primary reference that were noted above in addressing the previous 35 U.S.C. § 102 rejection.

Therefore, for at least these reasons, it is respectfully submitted that the rejection be withdrawn and that the claims be allowed.

Claim 19 is an independent claim that recites related subject matter to claim 1 and should be allowed for at least the same reasons presented above as well as the additionally recited features found in this claim.

Claims 20 and 23-24 are dependent claims that depend upon independent claim 19 and should be allowed for at least the same reasons presented above regarding claim 19 as well as the additionally recited features found in the claims.

Claims 21-22 are rejected under 35 U.S.C. § 103(a) as being allegedly unpatentable over Tiedemann, Jr et al. and Stephanson et al. and further in view of Huang et al. (US 2003/0162553). Applicants respectfully traverse the rejection.

Claims 21 and 22 are dependent claims that depend upon independent claim 19 and should be allowed for at least the same reasons presented above regarding independent claim 19 as well as the additionally recited features found in these claims.

Furthermore, the Office Action acknowledges that Tiedemann, Jr et al. and Stephanson et al. fail to disclose that “when a BSC in which a MS registers cannot find a MS, a neighboring BSC is used to find it.” The application of Stephanson et al. and Huang et al. does not make up for the deficiencies of Tiedemann, Jr et al. that were noted above in addressing the previous 35 U.S.C. § 102 rejection.

Therefore, for at least these reasons, it is respectfully submitted that the rejection be withdrawn and that the claims be allowed.

CONCLUSION

In light of the amendments contained herein, Applicants submit that the application is in condition for allowance, for which early action is requested.

Please charge any fees or overpayments that may be due with this response to Deposit Account No. 17-0026.

Respectfully submitted,

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